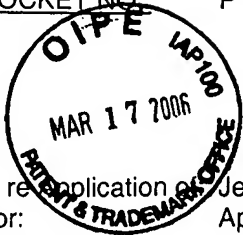


DFW



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

In re Application of Jennifer L. Braunschweig, et al.  
 For: Apparatus and Method for Hemodynamic-Based Optimization of Cardiac Pacing  
 Serial No.: 10/629,424  
 Filed: July 29, 2003

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8:** I hereby certify that this **SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT** and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to the Commissioner for Patents, Mail Stop Amendment, P.O. Box 1450, Alexandria, VA 22313-1450, on this 15<sup>th</sup> day of March, 2006.

Molly Chlebeck  
 Signature  
 MOLLY CHLEBECK  
 Printed Name

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Supplemental Information Disclosure Statement
- ☒ PTO FORM 1449
- ☒ Copies of cited references
- ☒ Return Postcard

## FEE CALCULATION

- ☒ \$ 00.00 Pursuant to 37 CFR §1.97(b) (before mailing of first Office Action)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(c) with Certification (cited in foreign application not more than 3 months earlier)
- ☐ \$ 00.00 Pursuant to 37 CFR §1.97(e) with Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(c) without Certification
- ☐ \$180.00 Pursuant to 37 CFR §1.97(d) with Certification

- ☐ Applicant hereby petitions for a months' extension of time. If an additional extension of time is required, please consider this petition therefor.
- ☒ Applicant believes that no extension of time is required. However, if an extension of time is required, please consider this a petition therefor to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.
- ☒ Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked with regard to this filing. A duplicate of this transmittal is enclosed.

Date

14 March 06

Paul H. McDowall  
 Paul H. McDowall  
 Reg. No. 34,873  
 Telephone: (763) 514-3351  
 No. 27581



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Frieder Braunschweig et al. ) Art Unit: 3736  
Serial No.: 10/629,424 ) Examiner: Unknown  
Filed: July 29, 2003 ) Docket: P-10978.00

Conf No:

For: APPARATUS AND METHOD FOR HEMODYNAMIC-BASED OPTIMIZATION  
OF CARDIAC PACING

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application.

Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Respectfully submitted,

Date:

14 March 06

By:

Paul H. McDowall  
Paul H. McDowall  
Reg. No. 34,873  
Telephone: (763) 514-3351  
Customer No. 27581

+

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

*Complete if Known*

(use as many sheets as necessary)

<b>Application Number</b>	10/629,424
<b>Filing Date</b>	July 29, 2003
<b>First Named Inventor</b>	Frieder Braunschweig et al.
<b>Group Art Unit</b>	3736
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	P10978.00

Sheet	1	of	2
-------	---	----	---

## U.S. PATENT DOCUMENTS

[illegible]

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/629,424</td> </tr> <tr> <td>Filing Date</td> <td>July 29, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Frieder Braunschweig et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>3736</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> <tr> <td>Attorney Docket Number</td> <td>P-10978.00</td> </tr> </table>		Application Number	10/629,424	Filing Date	July 29, 2003	First Named Inventor	Frieder Braunschweig et al.	Group Art Unit	3736	Examiner Name	Unknown	Attorney Docket Number	P-10978.00
Application Number	10/629,424														
Filing Date	July 29, 2003														
First Named Inventor	Frieder Braunschweig et al.														
Group Art Unit	3736														
Examiner Name	Unknown														
Attorney Docket Number	P-10978.00														
Sheet	2	of	2												

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite <sup>1</sup> No.	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite <sup>1</sup> No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CAZEAU et al., "Effects of Multisite Biventricular Pacing in Patients with Heart Failure and Intraventricular Conduction Delay", <i>N Engl J Med</i> , 2001; 344:873-80.	
		ABRAHAM et al., "Cardiac Resynchronization in Chronic Heart Failure", <i>N Engl J Med</i> , 2002; 346:1845-53.	
		RITTER et al., "Determination of the Optimal Atrioventricular Delay in DDD Pacing. Comparison Between Echo and Peak Endocardial Acceleration Measurements", <i>Europace</i> , 1999; 1:126-30.	
		CHEVALIER et al., "The Importance of the Left Atrioventricular Interval During Atrioventricular Sequential Pacing", <i>Pacing Hlin Eletrophysiol</i> , 1997; 20:2958-66.	
		OHLSSON et al., "Continuous Ambulatory Haemodynamic Monitoring with an Implantable System. The Feasibility of a New Technique", <i>Eur Heart J</i> , 1998; 19:174-84.	
		MAGALSKI et al., "Continuous Ambulatory Right Heart Pressure Measurements with an Implantable Hemodynamic Monitor: A Multicenter, 12-Month Follow-Up Study of Patients with Chronic Heart Failure", <i>J Card Fail</i> , 2002; 8:63-70.	
		BRAUNSCHWEIG et al., "Continuous Haemodynamic Monitoring During Withdrawal of Diuretics in Patients with Congestive Heart Failure", <i>Eur Heart J</i> , 2002; 23:59-69.	
		BRAUNSCHWEIG et al., "Continuous Hemodynamic Monitoring in Heart Failure", <i>J Cardiovasc Electrophysiol</i> , 2002; 13:S68-72.	
		RITTER, "Indications for Permanent Pacing and Choice of Pacemaker", In: Fischer W, Ritter P, eds. <i>Cardiac Pacing in Clinical Practice</i> . Berlin, Heidelberg, New York:Springer Verlag, 1998:166-202.	
		OHLSSON et al., "Monitoring of Pulmonary Arterial Diastolic Pressure Through a Right Ventricular Pressure Transducer", <i>J Card Fail</i> , 1995; 1:161-8.	
		CHUANG et al., "Measurement of Pulmonary Artery Diastolic Pressure from a Right Ventricular Pressure Transducer in Patients with Heart Failure", <i>J Card Fail</i> , 1996; 2:41-6.	

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> Applicant is to place a check mark here if English language translation is attached.